Listing / Amendments to the Claims Including Status Indicators

1. (Currently Amended) A method for deploying a fiber optic communication network comprising:

storing an attribute of an optical communication component in a computer catalog database entry;

associating said catalog database entry with a design profile;

selecting said database entry from said design profile;

reading said attribute from said database entry;

associating said attribute with a planned deployment of a physical instance of said component; and

forming a visible image representing said planned deployment, said visible image including a separately identified detail drawing.

2. (Canceled)

3. (Previously presented) A method as defined in claim 1, further comprising recording said association of said attribute with said planned deployment in a computer memory.

4. (Original) A method as defined in the claim 1, further comprising physically deploying said physical instance of said component.

5.   (Original) A method as defined in claim 1 further comprising identifying a geographic location for said planned deployment .

6.   (Original) A method as defined in claim 5 further comprising providing a graphical representation of said geographic location and said physical instance .

7. (Original)   A method as defined in claim 5 wherein said optical communication component comprises a component selected from the group of an optical cable, an optical cable connector, a splitter, an optical amplifier, an optical repeater, an optical transmitter, an optical splice enclosure, a patch panel, and a splice tray.

8.   (Original) A method as defined in claim 1 wherein said optical communication component comprises an optical cable, said optical cable comprising a cable selected from the group of ribbon cable, loose tube buffer cable , central tube cable, odd count fiber cable, single mode fiber cable , multimode fiber cable , and cable including a plurality of fiber types .

9.   (Previously presented) A method as defined in claim 8 wherein said optical cable includes a plurality of optical fibers.

10.   (Original) A method as defined in claim 1 wherein said planned deployment includes identification of said instance with an owner.

11.   (Original) A method as defined in claim 1 wherein said planned deployment includes identification of said instance with a communication circuit.

12.   (Previously presented) A method as defined in claim 1 wherein said planned deployment includes deploying a plurality of optical communication components.

13 .   (Currently amended) A system for planning a network comprising:

a first computer including a first memory storage device having application software encoded therein;

a second computer, operatively connected to said first computer, having a second memory storage device adapted to record first project data;

a third computer, operatively connected to said second computer, having a third memory storage device adapted to record second project data, said first and second project data being substantially instantaneously identical;

said software including a catalog portion, a design profile portion, and a calculations portion;

said catalog portion being adapted to receive data defining a plurality of

communication network components;

said design profile portion adapted to receive data defining a plurality of design

rules related to logical design of a network;

said first data including a logical model of a communications network;

said calculations portion being adapted to calculate power and signal relationships within

said communications network; and

said software including a detail ~~notes~~ <u>drawing</u> portion adapted to record a <u>separately</u>

<u>identified</u> detailed layout of a network within a multiple dwelling unit.

14.   (Original) A system as defined in claim 13, wherein said communications network

comprises an optical fiber portion.

15.   (Original) A system as defined in claim 14, wherein said optical fiber portion

comprises an optical cable having a buffer with first and second optical fibers;

said optical fibers having different nominal characteristics.

16.   (Original) A system as defined in claim 13, wherein said communications network

comprises a wireless communication portion.

17-18.   (Canceled)

19.   (Currently amended) A system for planning a network comprising:

a computer including a memory storage device having application software encoded

therein;

said software including a catalog portion, a design profile portion, a project storage

portion, and a calculations portion;

said catalog portion adapted to receive data defining a plurality of communication

network components;

said design profile portion adapted to receive data defining a plurality of design

rules related to logical design of a network;

said project storage portion adapted to receive data including a logical model of a

communications network;

said calculations portion adapted to calculate power and signal relationships within

said communications network;

said communications network including an optical fiber portion; and

one of said communication network components including an optical cable having a

buffer with first and second optical fibers, said optical fibers having different nominal

characteristics wherein ~~at least one of~~ said first and second fibers ~~includes a~~ include

<u>respective</u> fiber ~~segment~~ <u>segments</u> identified to ~~a particular owner~~ <u>respective owners</u>.

20. (Canceled)

21. (Currently amended) A method of deploying a communications network comprising:

providing first and second computers including first and second memory storage devices respectively, each having application software encoded therewithin;

operatively connecting said first and second computers through a communications link;

including a logical model of a communications network within said first storage device, said model including first and second logical communication cables, said model depicting operative connection of said first and second cables;

receiving said logical model through said link into said second computer memory device;

representing said logical model graphically;

operatively connecting <u>said</u> first and ~~a~~ second physical communication cables according to said model;

modifying said graphically represented logical model using markup lines; and

transmitting said modified logical model to said first computer and subsequently receiving authorization <u>at said second computer</u> for said operatively connecting <u>said</u> first and second physical communication cables.

22. (Original) A method as defined in claim 21 further comprising the step of

transmitting a notice of completion of said operative connection of physical cables through

said link into said first computer.

23. (Cancelled)

24. (Original) A method as defined in claim 21, wherein said method further comprises:

characterizing the signal strength of a radio frequency signal as a function of geographic

location; and

using said characterization to locate a radio frequency antenna.

25. – 30. (Canceled)

31. (Currently amended) A method for deploying a fiber optic communication network as

defined in claim 1, wherein said optical communication component comprises an optical

switch.

32. (Currently amended) A method for deploying a fiber optic communication network as

defined in claim 1, wherein said optical communication component comprises a tapered

fiber segment.

33. (Currently amended) A method for deploying a fiber optic communication network as defined in claim 1, wherein said optical communication component comprises an a fiber reel having an uneven buffer count.

34. (Currently amended) A method for deploying a fiber optic communication network as defined in claim 1, wherein said optical communication component comprises a fiber reel including 36 buffers.

35. (Currently amended) A method for deploying a fiber optic communication network as defined in claim 1, wherein said optical communication component comprises a fiber ribbon having 72 fibers per buffer.